

# Kris Kowal

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## Education

- Bachelor of Science  
Computer Science  
Cal Poly, San Luis Obispo  
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## Relevant Course-work

- Software Engineering  
Led a team of students from requirements to deployment of a grading tool, GRADOR, for three quarters.  
Participated in a team of students from design to maintenance of a testing scaffold for a BROCADE network storage device.
- Programming Languages  
Implemented an interpreter for a language called D-flat, in ML (SML New Jersey).
- Systems Programming  
Developed a Unix shell in C.  
Authored a device for the Minix kernel.

## Experience

- Systems Administrator. Cal Poly Computer Science Department. 2004-present.  
Manage user accounts and software on ten Sun servers and about two hundred Linux workstations with a dynamic team of seven system administrators. Regularly work with NIS, Kerberos, Jumpstart, Kickstart and the campus's Oracle database.  
Developed a suite of pipelineable Perl scripts for user account management to: **build** lists of classes based on parameters for the year, quarter, department, course number, section number, and professor; **build** lists of Unix logins for all students in those classes; **build** account creation data for Unix and Windows; **freeze** and **renew** inactive accounts; and **query** the existence of accounts. These scripts interact with the campus's Oracle data warehouse.  
Manage the Computer Science Department's website.  
WWW.CSC.CALPOLY.EDU

- Web Developer and Computer Technician. Moorpark College. 1999-2003.

Deployed the college website, including automation for the course catalogs, class schedules, faculty directory, and campus map. Also wrote an administrative back-end which permits office staff and professors to update the site, including bibliographies and syllabontes. Was also responsible for rapidly deploying public relations documents and other periodic publications. Regularly worked with Perl, PHP, and MySQL.

WWW.MOORPARKCOLLEGE.EDU

WWW.MOORPARKCOLLEGE.EDU/DIR

## Qualifications

Developed the SWL web authoring language. Am published on SLASHDOT.ORG via an article for ARSTECHNICA.COM on developing Firefox extensions. Am an EAGLE SCOUT with VIGIL HONOR. Played in the CALIFORNIA ALL STATE HONOR BAND. Have extensive leadership experience in Software Engineering, Marching Band, and Boy Scouts.

WWW.CIXAR.COM/SWL

## Skills

- Python, Reportlab, Egenix mx.TextTools 2yr
- C, C++, Boost 4yr
- Java and JSP 3yr, 1yr
- Perl, Oracle DBI 6yr, 1yr
- DHTML and AJAX 6yr, 1yr
- XUL and XPCOM 1yr
- PHP 3yr
- SQL 3yr
- SOAP 1yr
- Windows: 3.1-X.P. 12yr
- Linux: Ubuntu and Fedora Core 1yr
- Solaris: 9, 10 1yr
- Kickstart, Jumpstart, Kerberos, NIS 1yr
- Euphonium, Trombone, Tuba, sing Bass 11yr
- German, Quenya 3yr, 1yr